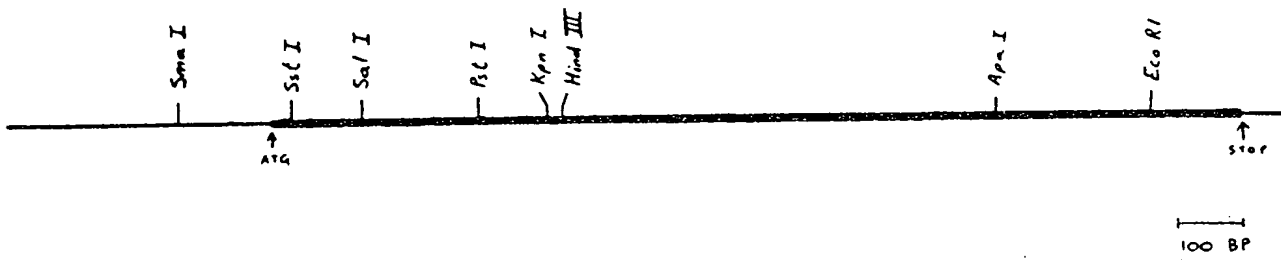


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FIGURE 2

Met Asp Ile Leu Cys Glu Glu Asn Thr Ser
A T G G A T A T T C T T T G T G A A G A A A A T A C T T C T
10 20 30

Leu Ser Ser Thr Thr Asn Ser Leu Met Gln
T T G A G C T C A A C T A C G A A C T C C C T A A T G C A A
40 50 60

Leu Asn Asp Asp Thr Arg Leu Tyr Ser Asn
T T A A A T G A T G A C A C C A G G C T C T A C A G T A A T
70 80 90

Asp Phe Asn Ser Gly Glu Ala Asn Thr Ser
G A C T T T A A C T C C G G A G A A G C T A A C A C T T C T
100 110 120

Asp Ala Phe Asn Trp Thr Val Asp Ser Glu
G A T G C A T T T A A C T G G A C A G T C G A C T C T G A A
130 140 150

Asn Arg Thr Asn Leu Ser Cys Glu Gly Cys
A A T C G A A C C A A C C T T T C C T G T G A A G G G T G C
160 170 180

FIGURE 2, CON'D

Leu	Ser	Pro	Ser	Cys	Leu	Ser	Leu	Leu	His
C	T	C	T	C	A	C	C	G	T
C	G	T	C	G	T	G	T	C	T
C	T	C	T	C	T	C	C	T	T
A	C	T	T	C	A	T			
				190			200		210
Leu	Gln	Glu	Lys	Asn	Trp	Ser	Ala	Leu	Leu
C	T	C	C	A	G	G	A	A	A
A	A	A	A	A	A	A	C	T	G
G	G	T	C	T	G	C	T	T	T
A	C	T	G						
				220			230		240
Thr	Ala	Val	Val	Ile	Ile	Leu	Thr	Ile	Ala
A	C	A	G	C	C	G	T	A	G
T	G	A	T	T	A	T	T	C	T
A	A	C	T	A	T	T	G	C	T
				250			260		270
Gly	Asn	Ile	Leu	Val	Ile	Met	Ala	Val	Ser
G	G	A	A	A	C	A	T	A	C
T	C	G	T	C	A	T	C	A	T
G	G	C	A	G	T	G	T	C	C
				280			290		300
Leu	Glu	Lys	Lys	Leu	Gln	Asn	Ala	Thr	Asn
C	T	A	G	A	G	A	A	A	G
C	T	G	C	A	G	A	A	T	G
C	C	A	C	C	A	A	C		
				310			320		330
Tyr	Phe	Leu	Met	Ser	Leu	Ala	Ile	Ala	Asp
T	A	T	T	T	C	C	T	G	A
T	G	A	T	G	T	C	A	C	T
T	G	C	C	A	T	A	G	C	T
				340			350		360
Met	Leu	Leu	Gly	Phe	Leu	Val	Met	Pro	Val
A	T	G	C	T	G	C	T	G	G
G	G	T	T	C	C	T	T	G	T
C	A	T	G	C	C	C	G	T	G
				370			380		390
Ser	Met	Leu	Thr	Ile	Leu	Tyr	Gly	Tyr	Arg
T	C	C	A	T	G	T	T	A	A
C	C	A	T	C	C	T	G	T	A
T	A	C	C	G	T	A	T	G	G
				400			410		420

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FIGURE 2, CONT'D

Trp Pro Leu Pro Ser Lys Leu Cys Ala Val
T G G C C T C T G C C G A G C A A G C T T T G T G C A G T C
430 440 450

Trp Ile Tyr Leu Asp Val Leu Phe Ser Thr
T G G A T T T A C C T G G A C G T G C T C T T C T C C A C G
460 470 480

Ala Ser Ile Met His Leu Cys Ala Ile Ser
~~G C C T C C A T C A T G C A C C T C T G C G C C A T C T C G~~
490 500 510

Leu Asp Arg Tyr Val Ala Ile Gln Asn Pro
C T G G A C C G C T A C G T C G C C A T C C A G A A T C C C
520 530 540

Ile His His Ser Arg Phe Asn Ser Arg Thr
A T C C A C C A C A G C C G C T T C A A C T C C A G A A C T
550 560 570

Lys Ala Phe Leu Lys Ile Ile Ala Val Trp
A A G G C A T T T C T G A A A A T C A T T G C T G T T T G G
580 590 600

Thr Ile Ser Val Gly Ile Ser Met Pro Ile
A C C A T A T C A G T A G G T A T A T C C A T G C C A A T A
610 620 630

Pro Val Phe Gly Leu Gln Asp Asp Ser Lys
C C A G T C T T T G G G C T A C A G G A C G A T T C G A A G
640 650 660

Ser Glu Lys Leu Phe Gln Arg Ser Ile His
T C A G A A A A G C T C T T C C A G C G G T C G A T C C A T
880 890 900

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FIGURE 2, CONT'D

Arg Glu Pro Gly Ser Tyr Thr Gly Arg Arg
A G G G A G C C A G G G T C C T A C A C A G G C A G G A G G
910 920 930

Thr Met Gln Ser Ile Ser Asn Glu Gln Lys
A C T A T G C A G T C C A T C A G C A A T G A G C A A A A G
940 950 960

Ala Cys Lys Val Leu Gly Ile Val Phe Phe
~~G C A T G C A A G G T G C T G G G C A T C G T C T T C T T C~~
970 980 990

Leu Phe Val Val Met Trp Cys Pro Phe Phe
C T G T T T G T G G T G A T G T G G T G C C C T T T C T T C
1000 1010 1020

Ile Thr Asn Ile Met Ala Val Ile Cys Lys
A T C A C A A A C A T C A T G G C C G T C A T C T G C A A A
1030 1040 1050

Glu Ser Cys Asn Glu Asp Val Ile Gly Ala
G A G T C C T G C A A T G A G G A T G T C A T T G G G G C C
1060 1070 1080

Leu Leu Asn Val Phe Val Trp Ile Gly Tyr
C T G C T C A A T G T G T T T G T T T G G A T C G G T T A T
1090 1100 1110

Leu Ser Ser Ala Val Asn Pro Leu Val Tyr
C T C T C T T C A G C A G T C A A C C C A C T A G T C T A C
1120 1130 1140

FIGURE 2, CONT'D

Thr	Leu	Phe	Asn	Lys	Thr	Tyr	Arg	Ser	Ala
A	C	A	C	T	G	T	T	C	A
A	C	A	A	C	A	A	G	A	C
C	T	A	T	A	G	G	T	C	A
G	C	C							
		1150			1160				1170

Phe	Ser	Arg	Tyr	Ile	Gln	Cys	Gln	Tyr	Lys
T	T	T	T	C	A	C	G	G	T
A	T	A	T	T	C	A	G	T	G
T	C	A	G	T	A	C	A	A	G
		1180			1190				1200

Glu	Asn	Lys	Lys	Pro	Leu	Gln	Leu	Ile	Leu
G	A	A	A	A	C	A	A	A	A
A	A	A	A	A	A	C	C	A	T
T	T	G	C	A	G	T	T	A	A
T	T	T	T	A					
		1210			1220				1230

Val	Asn	Thr	Ile	Pro	Ala	Leu	Ala	Tyr	Lys
G	T	G	A	A	C	A	C	A	A
T	A	C	C	G	G	C	T	T	T
G	G	C	C	T	A	C	A	A	G
		1240			1250				1260

Ser	Ser	Gln	Leu	Gln	Met	Gly	Gln	Lys	Lys
T	C	T	A	G	C	C	A	A	C
T	T	C	A	A	A	T	G	G	G
A	C	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A
		1270			1280				1290

Asn	Ser	Lys	Gln	Asp	Ala	Lys	Thr	Thr	Asp
A	A	T	T	C	A	A	A	G	C
A	A	G	C	A	A	G	A	T	G
C	C	A	A	G	A	C	A	A	C
A	A	G	A	T					
		1300			1310				1320

Asn	Asp	Cys	Ser	Met	Val	Ala	Leu	Gly	Lys
A	A	T	G	A	C	T	G	C	T
C	A	A	T	G	G	T	T	G	C
T	C	T	A	G	G	A	A	A	G
		1330			1340				1350

Gln	His	Ser	Glu	Glu	Ala	Ser	Lys	Asp	Asn
C	A	G	C	A	T	T	C	T	G
A	A	G	A	G	A	G	G	C	T
T	T	C	T	A	A	A	G	A	C
A	A	T							
		1360			1370				1380

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FIGURE 2, CONT'D

Ser	Asp	Gly	Val	Asn	Glu	Lys	Val	Ser	Cys																							
A	G	C	G	A	C	G	G	A	G	T	G	A	A	T	G	A	A	A	G	G	T	G	A	G	C	T	G	T				
										1390											1400											1410

Val	***	***	Ala	Ser	Cys	Arg	Gly	Asn	Cys																							
G	T	G	T	G	A	T	A	G	G	C	T	A	G	T	T	G	C	C	G	T	G	G	C	A	A	C	T	G	T			
										1420											1430											1440

G	G	A	A	G	G	C	A	C	A	C	T	G	A	G	C	A	A	G	T	T	T	T	C	A	C	C	T	A	T			
										1450											1460											1470

C	T	G	G	T	T	T	T	T	T	T	T	G
												1480

Rat Serotonin 5-HT₂ Receptor

Legend:

- Leucine zipper
- Differ in human 5-HT₂ receptor sequence

Sequence:

NH₂-M-E-I-L-C-E-D-M-I-S-L-S-S-I-P-M-S-L-M-D-A-E-S-T-N-A-D-R-S-N-E-F-D-N-H-V-L-A-P-C-D-C-L-S-N-W-T-I-D-A-E-N-G-E-C-S-L-N-T-R-L-P-P-T-C-L-S-I-Y-C-N-K-E-Q-L-H-L-W-P-L-P-R-Y-C-Y-L-C-A-I-L-W-I-Y-L-D-V-L-F-S-T-A-S-I-M-H-L-C-A-I-S-L-R-D-V-Y-Y-N-T-L-T-T-V-V-I-I-L-T-I-A-G-N-I-V-I-M-A-V-S-E-K-K-L-Q-N-A-V-Y-N-K-T-Y-R-S-A-F-S-N-E-K-Y-Q-C-Q-I-Y-R-P-L-Q-L-I-L-V-N-T-I-P-V-Q-L-Q-S-S-K-Y-A-L-Q-K-K-N-S-Q-E-D-A-E-Q-T-V-Q-K-C-L-T-V-M-S-C-D-D-N-D-N-I-E-T-V-N-E-K-V-S-C-V-COOH

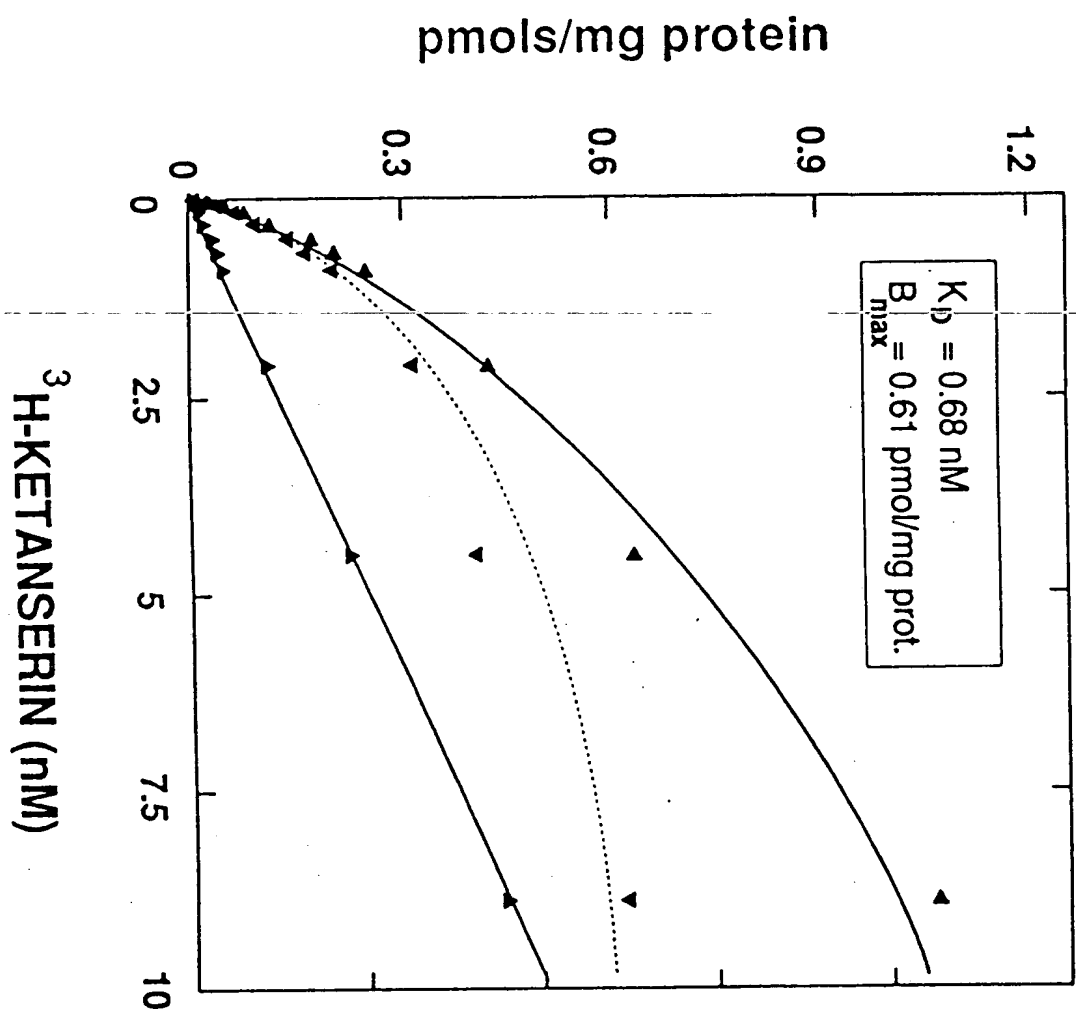


FIGURE 4